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APPENDIX L

INSTRUCTIONS FOR COMPILATION OF RESERVOIR SEDIMENTATION DATA SUMMARY

L-1. Introduction. The following instructions were prepared by members of the Subcommittee on Sedimentation, Inter-Agency Advisory Committee on Water Data, (Revised March 1966), as a guide for completing ENG FORM 1787, "Reservoir Sedimentation Data Summary," Figure L-1.

L-2. Purpose. The purpose of the form is to provide a means for the uniform compilation and dissemination of pertinent basic data obtained in connection with reservoir sedimentation surveys.

L-3. Approach. The intent is to prepare a summary for each reservoir on which one or more sedimentation surveys has been made. The form should then be reproduced, in accordance with administrative provisions of the originating agency, in a sufficient number of copies to meet the needs of each agency represented on the subcommittee. This will permit each agency to accumulate a file on basic data prepared in a uniform manner which can be subjected to statistical treatment and interpretation. The Subcommittee recognizes that the Summary requests items of data that are not available for every reservoir. However, the timely compilation and dissemination of available data is preferred to delaying the publication until some of the more obscure items are collected. A New Summary should be prepared when a new survey is made, and should bring forward the results of previous surveys, as indicated in the instructions. The new Summaries can then be substituted for the older Summaries in the office files.

L-4. Instructions for Compiling the Summary.

A. General Notes.

1. In all cases where data are estimated or assumed, indicate by asterisk, and show an asterisk with the word "assumed" at the bottom of the form.

2. Where other information is presented that needs clarification, footnotes should be used and shown by numbers, as 1/, 2/, etc. All footnotes are to be explained in the space provided under Item 47.

3. All data should be shown to at least three significant digits, if available, and if accuracy of survey warrants. For example, for Item 14: 167,624, 16,762, 1676, 168, 16.8, 1.68.

4. Items 31, 32, 37, 38, 40, 41. Where the sedimentation survey of a multiple-purpose reservoir has covered only the pool level or levels used for storage most of the year (as irrigation, power, inactive) and has not covered the flood-control pool above such levels, the data should be shown for the pool levels surveyed. However, any data obtained concerning sedimentation in the flood-control pool (not

including surcharge storage) should be shown under the above items with a footnote reference of explanation under Item 47.

5. Use continuation sheets when all data cannot be placed on one sheet.

B. Name of Reservoir: Give official or most commonly used name. If dam has another name, give it in parenthesis,i.e., Lake Mead (Hoover Dam).

C. Data Sheet No.: Leave blank. The Data Sheet Number will be supplied by the Subcommittee on Sedimentation.

D. Specific Items on Reservoir Sediment Data Summary (SCS-34 Rev. 6-66 or ENG Form 1787):

1. The name of the person or the organization that owns or operates the structure. If a Federal or State government, give both the department and agency having supervision or control over operation of the dam. (Abbreviate as necessary).

2. If the reservoir is located on a small stream, the name of which is not known, list as a tributary of the next largest stream. For example, "Trib. of Rock R."

3. If the dam lies in two states, both states should be given, the first state being that in which the headquarters for operation of the dam are located.

4. Give the location of the dam by section, township and range.

5. Give the name of the nearest post office. If space permits, adding the distance in miles and direction of the dam from the nearest post office helps to pinpoint the location of the dam, as Tulsa 2 SE.

6. Give the county in which the dam is located. If the dam is in two counties, the first-named county should be the one in which headquarters for operation of the dam are located, followed by a hyphen and the name of the second county.

7. Give the latitude and longitude of the dam in degrees and minutes (seconds, if known). In Items 8, 9 and 21, if no actual sea level datum elevation is available, an assumed elevation or local datum should be given for these items wherever possible, so that the height of the dam and the spillway above stream bed can be determined. (Observe 1 under General Notes.)

8. The elevation of the top of the dam which is equal to the highest spillway elevation (Item 9) plus freeboard.

9. This is the elevation of the highest spillway. If spillway is topped by movable gates, give the elevation of top of the gates in closed position, with an explanatory footnote in Item 47, "REMARKS AND REFERENCES." (See 2 under General Notes.)

10. The sub-items under item 10 designate the purpose of the storage space allocation. All data corresponding to storage allocations a-g refer to original storages in the reservoir, if these data are available, or otherwise, to the first accurate capacities determined after the beginning of storage. Show revisions of initial storages if recent surveys yield more accurate data than the early surveys.

a. Self explanatory.

b. Multiple use storage space refers to that which is purposely varied, seasonally or alternately, as required to serve two or more purposes. Use a footnote to explain the specific uses in Item 47.

c. This item ordinarily refers to storage for hydroelectric or direct power development. However, storage developed or allocated specifically for cooling purposes in steam power plant operation should be listed under this item with a footnote explanation in Item 47.

d. This item refers to water supply for municipal, industrial, domestic or livestock use, and fire protection.

e. This item refers to storage space allocated specifically for water used to irrigate agricultural land.

f. This item refers to storage allocated for regulation of low-water flow of streams, navigation pools, recharge of ground water, recreation, fish and wildlife, etc. Specify by footnote.

g. This refers to storage below the lowest outlet in the dam which cannot be withdrawn for any consumptive or beneficial use and is not generally considered to be of significant value for any purposes listed under "Conservation." This pool elevation in small reservoirs generally is considered by the Department of Agriculture to be sediment pool elevation. It is the level below which sediment is generally continually submerged and above which the sediment deposits tend to be more compacted due to periodic exposure to the air.

11. The top of pool elevations in items a-g correspond to storage allocations listed under Item 10. Reference to mean sea level, if known. Otherwise, an assumed elevation or local datum should be given as relative elevation to the streambed level, the top of the dam or the spillway crest. If regulation schudules provide for variation (seasonal or otherwise) in the top-of-pool levels the maximum elevation should be shown with a reference to the footnote explanation of the other pertinent pool levels.

12. Give the original surface area in acres at the elevation of the top of pool shown in Item 11.

13. Give the original storage capacity in acre-feet for each allocation.

14. Give the total original accumulated storage in acre-feet from the bottom of the reservoir to the top of each pool elevation indicated. Thus, the uppermost item recorded should be the original capacity of the reservoir below the spillway crest elevation shown in Item 9.

15. Give the date when water was first impounded (month, day and year, if possible).

16. Give date (month, day, and year, if possible) that the initial operation for any function started.

17. Give the length of reservoir, from the dam to the head of the backwater of the contributing stream. If the reservoir is composed of two or more principal arms, give the sum of the lengths and specify the length of each main arm in a footnote in Item 47. Give the average width by dividing the surface area by the summation of the lengths.

18. Give the entire flow-contributing drainage area above the dam.

19. Give the drainage area exclusive of the surface area of the reservoir at the spillway crest elevation (Item 9) and exclusive of the upstream non-contributing basins or the watersheds above the larger reservoirs that are effective sediment traps.

20. Give the length of the total drainage area along the center line of the main stream valley. The average width is the area in Item 18 divided by the length in Item 20.

21. The maximum elevation would be the highest point of the watershed boundary. The minimum elevation of the watershed should be the lowest original stream-bed elevation at the axis of the dam. This elevation is used to determine the height of the dam.

22. Give the longest available recorded mean value. If known, include in parentheses the number of years of record. Give the average annual precipitation value for the total drainage area. If the mean annual precipitation varies widely for different parts of the watershed, record the range of values for example, "18-35".

23. Mean annual runoff in inches may be obtained from direct measurement; from published reports such as USGS Water Supply Papers; by transposing known data from similar adjacent watersheds; or from average annual runoff maps such as USGS Circular 52. As for precipitation, state the longest available recorded mean value and the number of years of record. The source of data may be shown by footnote with explanation under Item 47.

24. The mean annual runoff in acre-feet may be obtained by multiplying Item 23, mean annual runoff in inches, by Item 18, total drainage area in sq.mi., times the conversion factor 53.33.

25. The mean annual temperature and the average annual range in temperature should be given in degrees Fahrenheit.

26. Give the date of the beginning of storage, if used to compute sedimentation, or the average date (month, day, and year) of the first reservoir survey, and of all succeeding surveys used in computing sedimentation. The original data from which the sedimentation record begins and subsequent data should be given under Items 26, 29, 30, 31, 32, and 33, but the original data should not be repeated under Item 26 below or in parallel boxes from Item 34 through Item 42, inclusive.

27. Give the elapsed period between the beginning of storage or the first survey used to compute sedimentation (whichever is the more recent date) and between the average dates of each succeeding sedimentation survey. Compute to the nearest 0.1 year. If computations have been carried out to the nearest 0.01 year, two decimal places may be shown.

28. Give the accumulative period from the beginning of storage or the first survey used to compute sedimentation (whichever is the more recent date) to each succeeding sedimentation survey. Compute to the nearest 0.01 year, two decimal places may be shown.

29. Indicate "Range" or "Contour" and "Detailed" or "Reconnaissance" as applicable. Detailed may be shown by the symbol "(D)"; reconnaissance by "(R)". A detailed range survey is defined as one in which instrumental control of all sounding and spudding positions in the lake was maintained. Where this was not done, the survey should be labeled as "(R)". In a few cases, where instrumental control was not maintained, but the number of ranges and observations per range were substantially the same as those made on a detailed survey the designation "Semi-Detailed" may be used. The symbol for this should be "(S)". A contour survey to be labeled "(D)" should conform with at least standards of third order accuracy for topographic mapping (1 in 5000). If the contouring was of a sketchy or very generalized nature, designation should be "(R)". All contouring done with Kelsh Plotters and similar equipment shall be considered "(D)", but sketching of contours with portable stereoscope shall be considered "(R)".

30. Give the number of ranges or the contour interval. If a reconnaissance survey, give the number of individual measurements. The letter "(M)" should follow to indicate that they are measurements and not ranges. Where a combination range and contour survey is made the symbol "(R)" should follow the number of ranges and "(CI)" should follow the contour interval.

31. The surface area at the spillway crest elevation (use the elevation of Item 9 to obtain the first entry). If the areas of different allocated storages have been determined each should be referenced with a footnote to be shown in Item 47.

32. The first figure entered should be the original capacity (below the spillway crest elevation, Item 9). If the capacities for different allocated storages have been determined these should be shown and each referenced with a footnote in Item 47. If the original capacity was not determined, give the first accurate capacity determined after the beginning of storage and note the date.

33. Capacity-Inflow ratio. C/I = Item 32 / Item 24. Use the maximum capacity for the date (Item 32) for which the C/I ratio is being calculated and divide by the mean annual runoff in acre-feet (Item 24). This ratio should be adjusted if there are one or more upstream reservoirs that have a significant trap efficiency and control a substantial part of the drainage area (usually more than 25 percent).

34. Give the mean annual precipitation over the drainage area for each period of years given in Item 27. If there is a substantial variation in precipitation for different parts of the drainage area, give the range, as "10-23".

35. In 35a give the average annual water inflow to the reservoir, in acre-feet, for each period of years given in Item 27. The highest annual inflow for each period, in acre-feet, is to be given in Item 35b, and the total for each period is given in Item 35c.

36. Give the water inflow, in acre-feet, to the reservoir for the accumulated periods of years given in Item 28.

37. In Item 37a, give the volume of capacity loss below crest (Item 9) for the periods of years given in Item 27. Item 37b is obtained by dividing the volume given in Item 37a by the corresponding period of years shown in Item 27. Item 37c is obtained by dividing the value in 37b by the net sediment contributing area shown in Item 19.

38. In Item 38a give the accumulative total sediment deposits below crest for the period or periods of years given in Item 28. Item 38b is obtained by dividing the value of Item 38a by the corresponding accumulative years shown in Item 28. Item 38c is determined by dividing Item 38b by the net sediment contributing area shown in Item 19. If the above-crest deposits exist and are measured, add their volume to the below-crest deposits in Items 38a, b, and c, and also give these total values just under the other values. Where above-crest deposits are included, they should be referenced with a footnote and explained in Item 47, REMARKS AND REFERENCES. (See General Notes 3 and 4).

39. Average dry weight of the deposited sediment in the reservoir, pounds per cubic foot. Since the dry weight of deposits tends to increase with time as silts and clays consolidate, dry weight should be determined during each survey. If assumed values are used, indicate by asterisk. (See General Note 1).

40. Compute values as follows:

Item 40a = for first survey, Item 38c x Item 39 x 21.78

Item 40a = for subsequent surveys:

$$\frac{[(\text{Item 38a x 39 latest}) - (\text{Item 38a x 39 previous})] \times 21.78}{\text{Divided by (Item 27 for latest period) x (Item 19)}}$$

It is imperative that samples of the sediment representative of the entire period of sediment accumulation be obtained at the time of each survey.

Item 40b = Item 38c x Item 39 x 21.78

41. Compute the values as follows:

$$\text{Item 41a} = \frac{\text{Item 38b x 100}}{\text{Item 14 (Maximum value in item)}}$$

$$\text{Item 41b} = \frac{\text{Item 38a x 100}}{\text{Item 14 (Maximum value in item)}}$$

42. Compute the values as follows:

$$\text{Item 42a} = \frac{\text{Item 40a x Item 27 x Item 19 x 10,000,000}}{\text{Item 35c x 1359}} = \text{PPM by weight}$$

$$\text{Item 42b} = \frac{\text{Item 38a x Item 39 x 1,000,000}}{\text{Item 36b x 62.4}} = \text{PPM by weight}$$

43. If elevation-capacity curves are developed, select the appropriate intervals in feet below and above the crest. Give the percentage of the total sediment deposits located within each depth designation (elevation zone). For example:

122-100	100-85	85-70	70-60	60-50	50-40
4	5	6	7	7	9

40-30	30-20	20-10	10-Crest	Crest -+15	+15-+25

10	12	15	18	5	2

44. The sediment distribution in percent according to distance from the dam. The reach designation is the percent of the distance from the dam to the maximum upstream extent of the spillway-crest contour at the elevation given in Item 9 at the date of the beginning of storage. Thus, 20 percent would be 1/5 of the distance from the dam to the head of backwater at the original crest stage.

45. List the maximum and minimum water elevations and the total inflow in acre-feet for each water year of record.

46. Give data from the elevation-capacity curve for the latest survey shown on Item 26. Be sure to label each survey data on the form. If space permits give data from the elevation-capacity curve for the original survey.

47. List here all published and unpublished reports on sedimentation surveys of this reservoir. All footnote explanations are to be shown in this space. Also note and give any pertinent data, including dates of abnormal operational occurrences, such as reservoir evacuation; sluicing out sediment; releasing density currents; extreme floods and droughts; changes in spillway-crest elevation; use of flash boards; and the installation of upstream control structures. Briefly describe the sediment and any available textural analyses. If needed, use continuation sheets.

48. Give the department, agency, and division, branch, or field office responsible for each survey.

49. Give the agency and department reporting the data.

50. Give the date this form was prepared by the office listed in Item 49.

Prepared by the following agencies represented on
Subcommittee on Sedimentation
Inter-Agency Advisory Committee on Water Data

DEPARTMENT OF AGRICULTURE
- Agricultural Research Service
- Forest Service
- Soil Conservation Service

DEPARTMENT OF THE ARMY
- Corps of Engineers

DEPARTMENT OF COMMERCE
- Bureau of Public Roads
- Coast and Geodetic Survey

DEPARTMENT OF THE INTERIOR
- Bureau of Reclamation
- Geological Survey
- Bureau of Mines

FEDERAL POWER COMMISSION

TENNESSEE VALLEY AUTHORITY

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
- Public Health Service

RESERVOIR SEDIMENT
DATA SUMMARY
SCS-34 Rev. 6-66

Six Mile Creek, Site No. 3
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

23-
DATA SHEET NO.

DAM

1. OWNER Enlo Conserv. District	2. STREAM Six Mile Creek	3. STATE New State
4. SEC. 25 TWP. 2N RANGE 4W	5. NEAREST P.O. 2 mi. E of Nebo	6. COUNTY Carroll
7. LAT. 37° 17'24"N LONG. 87° 34' 15"W	8. TOP OF DAM ELEVATION 131.0	9. SPILLWAY CREST ELEV. 123.0

RESERVOIR

10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN
a. FLOOD CONTROL	123.0	198.0	2091.9	3584.9	April 18, 1948
b. MULTIPLE USE					
c. POWER					16. DATE NORMAL OPER. BEGAN
d. WATER SUPPLY	111.0	124.8	1002.0	1493.0	
e. IRRIGATION					
f. CONSERVATION					April 28, 1948
g. INACTIVE 1/	97.0	60.2	491.0	491.0	

17. LENGTH OF RESERVOIR 1.34 MILES — AV. WIDTH OF RESERVOIR 0.23 MILES

WATERSHED

18. TOTAL DRAINAGE AREA 10.14 SQ. MI.		22. MEAN ANNUAL PRECIPITATION	25.13 (25 yr) INCHES
19. NET SEDIMENT CONTRIBUTING AREA 9.83 SQ. MI.		23. MEAN ANNUAL RUNOFF	1.6 (12 yr) INCHES
20. LENGTH 5.17 MILES	AV. WIDTH 1.96 MILES	24. MEAN ANNUAL RUNOFF	865 (12 yr) AC.-FT.
21. MAX. ELEV. 398.0	MIN. ELEV. 76.0	25. ANNUAL TEMP: MEAN 58°F	RANGE -3° to 100°F

SURVEY DATA

26. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA, ACRES	32. CAPACITY, ACRE-FEET	33. C/I. RATIO, AC.-FT. PER AC.-FT.
4-18-48	-	-		-	60.2 1/ 198.0 2/	491.0 1/ 3584.9 2/	4.14
6-23-64	16.18	16.18	Range - Contour(D)	21 R 2 CI	50.3 1/ 198.0 2/	293.2 1/ 3322.4 2/	3.84

26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.	
		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE
6-23-64	24.81	860	1033	13,930	860	13,930

26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET		
	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR
6-23-64	197.80 1/ 262.44 2/	12.22 1/ 16.22 2/	1.24 1/ 1.65 2/	197.80 1/ 262.44 2/	12.22 1/ 16.22 2/	1.24 1/ 1.65 2/

26. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM	
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
6-23-64	67.4 (8)	1820 1/ 2422 2/	1820 1/ 2422 2/	2.48 1/ 0.45 2/	40.28 1/ 7.32 2/	20,350	20,350

Figure L-1. Reservoir Sedimentation Data Summary

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											
	123-120	120-116	116-112	112-108	108-104	104-100	100-97	97-96	96-92	92-88	88-84	84-76
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
6-23-64				1	6	19	19	4	10	12	25	4

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
	2	17	19	14	17	10	9	7	10	5					

45. RANGE IN RESERVOIR OPERATION

WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.
1949	123	111	1011	1957	115	83	694
50	120	113	863	58	117	92	912
51	118	112	996	59	119	96	892
52	123	111	1024	60	123	112	1033
53	123	108	989	61	123	111	943
54	119	106	1002	62	119	109	862
55	114	97	868	63	123	109	834
56	117	84	623				

46. ELEVATION-AREA-CAPACITY DATA

ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
Original	Capacity - 1948		96	58.0	442.3	112	127.4	1587.0
123	198.0	3584.9	92	45.7	330.0	108	104.5	1125.0
120	178.4	2832.0	88	32.1	265.7	104	83.4	750.9
116	151.8	2394.2	84	21.3	170.0	100	62.1	461.6
112	128.9	1679.0	80	11.7	73.0	97	50.3	293.2
108	109.0	1228.3	1964 Capacity			96	43.1	247.0
104	94.2	931.9	123	198.0	3322.4	92	26.4	109.6
100	75.3	658.0	120	167.5	2774.8	88	17.2	23.2
97	60.2	491.0	116	150.5	2140.8	84	1.27	0.0

47. REMARKS AND REFERENCES

1/ Sediment pool only

2/ Total reservoir below crest elevation (123.0')

Land Use in Watershed: 21 percent Woodland; 47 percent Pasture; 18 percent Cropland; 6 percent Idle; 8 percent Residential.

Geology: 25 percent Chaco shale; 18 percent Thomas ls.; 57 percent Orville ss.

48. AGENCY MAKING SURVEY: New State Watershed Planning Party, Soil Conservation Service

49. AGENCY SUPPLYING DATA: Soil Conservation Service

50. DATE: Sept. 3, 1966

USDA SCS HYATTSVILLE MD 1966 Apr 1966

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

NAME OF RESERVOIR

DATA SHEET NO.

DAM

1. OWNER	2. STREAM	3. STATE
4. SEC. TWP. RANGE	5. NEAREST P. O.	6. COUNTY
7. LAT. ° ′ ″ LONG. ° ′ ″	8. TOP OF DAM ELEVATION	9. SPILLWAY CREST ELEV.

RESERVOIR

10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN
a. FLOOD CONTROL					
b. MULTIPLE USE					
c. POWER					16. DATE NORMAL OPER. BEGAN
d. WATER SUPPLY					
e. IRRIGATION					
f. CONSERVATION					
g. INACTIVE					

WATERSHED

17. LENGTH OF RESERVOIR	MILES	AV. WIDTH OF RESERVOIR	MILES
18. TOTAL DRAINAGE AREA	SQ. MI.	22. MEAN ANNUAL PRECIPITATION	INCHES
19. NET SEDIMENT CONTRIBUTING AREA	SQ. MI.	23. MEAN ANNUAL RUNOFF	INCHES
20. LENGTH MILES	AV. WIDTH MILES	24. MEAN ANNUAL RUNOFF	AC.-FT.
21. MAX. ELEV.	MIN. ELEV.	25. ANNUAL TEMP MEAN	RANGE

SURVEY DATA

26. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA, ACRES	32. CAPACITY, ACRE-FEET	33. C/I. RATIO, AC.-FT. PER AC.-FT.

26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.	
		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE

26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET		
	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR

26. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM	
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE

ENG FORM 1787
NOV 66

PREVIOUS EDITIONS ARE OBSOLETE.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR													
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION

WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.

46. ELEVATION–AREA–CAPACITY DATA

ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA

50. DATE _____

☆ U.S. GOVERNMENT PRINTING OFFICE: 1989— 718 - 533/10804